

ABSTRACT OF THE DISCLOSURE

A method of time division multiplexing for a forward data packet channel includes encoding parallel data sub-packets into parallel streams of turbo codes; interleaving each of the parallel streams of turbo codes to generate parallel streams of quasi-complementary turbo codes; modulating the parallel streams of quasi-complementary turbo codes to generate parallel streams of modulated data symbols; and multiplexing the parallel streams of modulated data symbols by one of multiplexing and non-complete puncturing to generate a single stream of modulation symbols.